

2  
(NGF) consisting of 116 amino acids.---

Please amend the paragraph beginning on page 5 line 2 and ending on page 5, line 6 to read as follows:

6- ---The inventive peptides can be generally described as compositions of matter consisting of at least the first five amino acids from the N-terminal of the sequence N L G E H P V C D S T D T W V (SEQ. ID NO: 2) and no more than 25 amino acids total. Usually, the inventive peptides will contain no more than 20 amino acids, and preferably no more than 15 amino acids. I have named the inventive peptides ADESH.---

Please amend the paragraph beginning on page 6 line 1 and ending on page 6, line 12 to read as follows:

---The amino acid sequence of V-NGF derived from one species of cobra (Naja naja) venom is:

NH2-

63 Glu-Asp-His-Pro-Val-His-Asn-Leu-Gly-Glu-His-Pro-Val-Cys-Asx-Ser-Thr-Ash-Thr-Trp<sub>20</sub>-Val-Gly-Val-Lys-Thr-Thr-Ala-Thr-Asn-Ile-Lys-Gly-Ala-Ser-Val-Ser-Val-Met-Glu-Asn<sub>40</sub>-Val-Asn-Leu-Asp-Asn-Lys-Val-Tyr-Lys-Gln-Tyr-Phe-Phe-Glu-Thr-Lys-Cys-Arg-Asx-Ser<sub>60</sub>-Asx-Pro-Pro-Glx-Pro-Gly-Cys-Lys-Gly-Ile-Asx-Thr-Glx-His-Trp-Asx-Ser-Tyr-Cys-Thr<sub>80</sub>-Thr-Ser-Asn-Ser-Phe-Ile-Lys-Ala-Leu-Thr-Met-Asx-Glx-Gly-Gln-Ser-Ala-Trp-Arg-Phe<sub>100</sub>-Ile-Arg-Ile-Gix-Thr-Ala-Cys-Val-Cys-Val-Ile-Thr-Lys-Lys-Gly-Asn-COOH

(SEQ. ID. NO: 1).---

Please amend the paragraph beginning on page 7, line 22 and ending on page 8, line 2 to read as follows:

---The trypsin digested fragments in various concentrations were tested for neurite out growth on PC12 cells. Tissue culture plate having 24 wells were seeded with  $10^5$  PC12 cells in serum free Dulbecco Modified Eagle's medium (DMEM). The results were read after 72 hours for neurite outgrowth. The fraction showing the most neurite outgrowth at the lowest concentration was sequenced for its amino acids composition. Sequencing was contracted out to the Protein Core Laboratory of Baylor College of Medicine, Houston, Texas. The sequence for the fraction from the N-terminal was found to be: N L G E H P V C D S T D T W V (SEQ. ID. NO: 2).---

Please amend the paragraph beginning on page 8, line 4 and ending on page 8, line 8 to read as follows:

---Synthetic ADESH (AD-10) was constructed using the above amino acids sequence from N-terminal for ten amino acids N L G E H P V C D S (SEQ. ID. NO: 3). Two more versions of synthetic ADESH, termed AD-15 and AD-5, consisting of 15 and 5 amino acids respectively, were constructed; The peptides had the sequence: N L G E H P V C D S T D T W V (SEQ. ID. NO: 2) for AD-15 and N L G E H (SEQ. ID. NO: 4) for AD-5.---

### IN THE ABSTRACT OF THE DISCLOSURE

Please amend the paragraph beginning on page 22, line 2 and ending on page 22, line 12 to read as follows:

---The purified nerve growth factor consisting of 116 amino acids from the venom of Naja kaouthia snake was fragmented by trypsin digestion. The fragments were isolated individually by high pressure liquid chromatography (HPLC). Thus separated fragments were tested for the biological activity of neurite growth on rat adrenal pheochromocytoma (PC12) cells. The fragment which showed the most activity was named ADESH.